AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A transparent acrylate pressure-sensitive adhesive comprising a polyacrylate and a filler, wherein the filler comprises particles of silicate and/or of silica gel, wherein said particles additionally comprise a coating of polyacrylate chemically bonded to a free radical initiator which free-radical initiator is chemically bonded to said silicate and/or silica gel, and wherein the polyacrylate-coated particles of silicate and/or of silica gel have a size of not more than 50 nm.
- 2. (Currently Amended) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate-coated particles of silicate and/or of silica gel have a size of not more than 10 to 30 nm.
- 3. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate-coated particles of silicate and/or of silica gel are present with a weight fraction of 0.5 to 25 relative to unfilled silicate/silica gel.
- 4. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate is obtained from a comonomer composition comprising:
 - a) acrylic acid and methacrylic acid derivatives of the formula (I), with a

fraction of 70 to 100 percent by weight,

$$CH2=C(R1)(COOR2) (I)$$

where R_1 = H or CH_3 and R_2 = H or an alkyl chain having 2 to 20 carbon atoms, or stearyl (meth)acrylate or (meth)acrylic acid, and

- b) vinyl compounds comprising functional groups, with a fraction of 0 to 30 percent by weight.
- 5. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 4, wherein the vinyl compound is a maleic anhydride, a styrene, a styrene compound, a vinyl acetate, a (meth)acrylamide, an N-substituted (meth)acrylamide, a β-acryloyloxypropionic acid, a vinyl acetic acid, a fumaric acid, a crotonic acid, an aconitic acid, a dimethylacrylic acid, a trichloroacrylic acid, an itaconic acid, a hydroxyalkyl (meth)acrylate, an amino-containing (meth)acrylate, a hydroxyl-containing (meth)acrylate, a 2-hydroxyethyl (meth)acrylate, a 2-hydroxypropyl (meth)acrylate, and/or a 4-hydroxybutyl (meth)acrylate.
- 6. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 4, wherein the vinyl compound is a double-bond-functionalized photoinitiator.
 - 7. (Canceled)

8. (Canceled)

- 9. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate of the pressure-sensitive adhesive and of the polyacrylate-coated particle coating are identical.
- 10. (Previously Presented) A process for preparing an acrylate pressure-sensitive adhesive of claim 1, said process comprising polymerizing the acrylates and comonomers in the presence of at least one organic solvent or in bulk, the polyacrylate-coated particles of silicate and/or of silica gel being mixed in.
- 11. (Previously Presented) The process of claim 10, wherein polyacrylate-coated particles of silicate and/or of silica gel having a maximum size of 50 nm are mixed in.
- 12. (Previously Presented) The process of claim 10, wherein the polyacrylate-coated particles of silicate and/or of silica gel are mixed in with a weight fraction of 0.5 to 25 relative to unfilled silicate/silica gel.

13. (Canceled)

14. (Currently Amended) The process of claim 10, wherein the polyacrylate-coated particles of silicate and/or of silica gel are mixed in during or after the polymerization.

- 15. (Previously Presented) The process of claim 10, wherein the polyacrylate of the acrylate pressure-sensitive adhesive and of the polyacrylate-coated particle coating are identical.
- 16. (Previously Presented) The process of claim 10, which further comprises crosslinking the acrylate pressure-sensitive adhesive by UV irradiation in the range from 200 to 400 nm.
- 17. (Previously Presented) The process of claim 16, wherein the acrylate pressuresensitive adhesive is crosslinked by ionizing radiation or by thermal crosslinking.
 - 18. (Canceled)
- 19. (Previously Presented) A pressure-sensitive adhesive tape comprising the acrylate pressure-sensitive adhesive of claim 1.
- 20. (Previously Presented) A bonding method comprising applying a pressure-sensitive adhesive tape of claim 19 to a substrate.